

## DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

IMPROVED BATTERY WITH STRENGTH INDICATOR

the specification of which (check one)

  X   is attached hereto.

           was filed on                                  as Application  
Serial No.                      and was amended on  
   (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, section 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

## PRIOR FOREIGN APPLICATION(S)

|                               |                                |   | Priority Claim |               |
|-------------------------------|--------------------------------|---|----------------|---------------|
| <u>          </u><br>(Number) | <u>          </u><br>(Country) | <u>          </u><br>(Day/Month/Year filed) | <u>  Yes  </u> | <u>  No  </u> |
| <u>          </u><br>(Number) | <u>          </u><br>(Country) | <u>          </u><br>(Day/Month/Year filed) | <u>  Yes  </u> | <u>  No  </u> |
| <u>          </u><br>(Number) | <u>          </u><br>(Country) | <u>          </u><br>(Day/Month/Year filed) | <u>  Yes  </u> | <u>  No  </u> |

# DECLARATION AND POWER OF ATTORNEY

I hereby claim the benefit under Title 35, United States Code, section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

|                          |                   |   |
|--------------------------|-------------------|---|
| 160,143                  | February 25, 1988 | Pending                                 |
| (Application Serial No.) | (Filing Date)     | (Status) (patented, pending, abandoned) |
|                          |                   |   |
| (Application Serial No.) | (Filing Date)     | (Status) (patented, pending, abandoned) |
|                          |                   |   |
| (Application Serial No.) | (Filing Date)     | (Status) (patented, pending, abandoned) |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint each partner, attorney of counsel, associate and employee of Harness, Dickey & Pierce, who is a registered Patent Attorney, my attorney with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith. I request the Patent and Trademark Office to direct all correspondence and telephone calls relative to this application to Harness, Dickey & Pierce, P. O. Box 828, Bloomfield Hills, Michigan 48013 (313) 642-7000.

Full name of sole or first inventor: James R. Burroughs

Inventor's signature: *James R. Burroughs*

Date: 4-10-89

Residence: 4697 White Oak Avenue, Encino, California 91316

Citizenship: United States

Post Office Address: 4697 White Oak Avenue, Encino, California 91316

DECLARATION AND POWER OF ATTORNEY

402-08  
Full name of second joint inventor, if any: Alan N. O'Kain

Second Inventor's signature Alan N. O'Kain

Date: 4-10-89

Residence: 500 Carnation Avenue, <sup>CA</sup> Corona del Mar, California 92625

Citizenship: United States

Post Office Address: 500 Carnation Avenue, Corona Del Mar, California 92625

Full name of third joint inventor, if any: \_\_\_\_\_

Third Inventor's signature \_\_\_\_\_

Date: \_\_\_\_\_

Residence: \_\_\_\_\_

Citizenship: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Full name of fourth joint inventor, if any: \_\_\_\_\_

Fourth Inventor's signature \_\_\_\_\_

Date: \_\_\_\_\_

Residence: \_\_\_\_\_

Citizenship: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Full name of fifth joint inventor, if any: \_\_\_\_\_

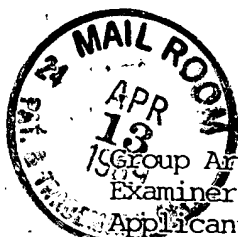
Fifth Inventor's signature \_\_\_\_\_

Date: \_\_\_\_\_

Residence: \_\_\_\_\_

Citizenship: \_\_\_\_\_

Post Office Address: \_\_\_\_\_



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit:

Examiner:

Applicant: James R. Burroughs &amp; Alan N. O'Kain

Serial Number:

Filed:

For: IMPROVED BATTERY WITH STRENGTH INDICATOR

Patent No.

Issued:

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS  
(37 CFR 1.9(f) AND 1.27(b)) - INDEPENDENT INVENTOR**

As a below named inventor, I hereby declare that I qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code, to the Patent and Trademark Office with regard to the invention described in

☒ the specification filed herewith.

☐ this application.

☐ this patent.

I have not assigned, granted, conveyed or licensed and am under no obligation under contract or law to assign, grant, convey or license, any rights in the invention.

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b)).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Signature

(Typed Name)

James R. Burroughs

Date

4-10-89

Signature

(Typed Name)

Alan N. O'Kain

Date

4-10-89

Signature

(Typed Name)

Date

SIEI ★ X16 K4821 E/32 ★ DE 3100-503  
 Battery charge checking circuit with LCD display - has  
 capacitive or inductive resistance in switching circuit detecting  
 switching times

SIEMENS AG 09.01.81-DE-100503

(05.08.82) H01m-10/44 H02j-07/04

09.01.81 as 100503 (1011BD)

The circuit has a passive electron optical display unit, e.g. l.c.d.  
 It indicates a sagging battery output at the correct time. The  
 liquid crystal contains a switch and a circuit to produce an  
 electrical signal as a function of the battery voltage.

The circuit consists of a capacitive or inductive resistance and  
 a switching circuit which detects the switching time and is  
 dependent on the battery voltage. It vanishes when the circuit of  
 the battery is switching on until the voltage across the capacitive  
 resistance or the current through the inductive resistance  
 reaches a threshold value. (14pp Dwg.No 1)

X16-G1

